SONY

3-750-366-12(1)

FM/AM Compact Disc Player

COMPACT disc DIGITAL AUDIO

# CDX-R79

FM/MW/LW Compact Disc Player

# CDX-R79L

## Operating Instructions Page ●

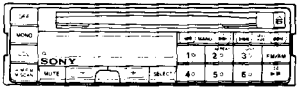
Before operating the unit, please read this manual thoroughly and retain it for future reference.

## Mode d'emploi page ●

Avant la mise en service de cet appareil, prière de lire attentivement ce mode d'emploi que l'on conservera pour toute référence ultérieure.

## Gebruiksaanwijzing blz ●

Less, alvorens het apparaat in gebuik te nemen, de gebruiksaanwijzing aandachtig door en bewaar deze voor eventuele naslag.




For installation and connection, see the supplied installation/connections manual.

En ce qui concerne l'installation et les connexions, se reporter au manuel d'installation/connexions, fourni.

Zie voor het monteren en aansluiten van het apparaat de bijgeleverde [Montage/Aansluitingen]-gebruiksaanwijzing.

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## Owner's Record

The model and the serial numbers are located on the top. Record the serial number in the space provided below. Refer to these numbers whenever you call upon your Sony dealer regarding this product.

Model No. DTX-10 Serial No. _____

## For the Customers in the U.S.A.

**INFORMATION**

This equipment generates and uses radio frequency energy and if not installed and used properly, that is, in strict accordance with the manufacturer's instructions, may cause interference to radio and television reception. It has been type tested and found to comply with the limits for a Class B computing device in accordance with the specifications in Subpart J of Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Reorient the receiving antenna.
Relocate the equipment with respect to the receiver.
Move the equipment away from the receiver.
Plug the equipment into a different outlet so that equipment and receiver are on different branch circuits.

If necessary, the user should consult the dealer or an experienced radio/television technician for additional suggestions. The user may find the following booklet prepared by the Federal Communications Commission helpful:

"How to Identify and Resolve Radio-TV Interference Problems". This booklet is available from the U.S. Government Printing Office, Washington, DC 20402, Stock No. 004-000-000345-4.

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## Features

DTX-10 is a digital audio tape car stereo combined with FM/AM PLL synthesizer tuner. When you connect a Sony CD changer (not supplied), you can control it by operating this unit. To operate this unit, you need a power amplifier (not supplied).

**DAT cassette player section**

- The Digital Audio Tape player offers excellent sound quality.
- 8-times-18-bit over-sampling digital filter
- The AMS (Automatic Music Sensor) function allows you to locate the beginning of a selection quickly.
- The Intro Play function plays the first ten seconds of each selection.
- The Repeat Play function enables a repeat play of the selection you are now listening to.
- The Skip Play function enables you to skip any portion that you prefer not to listen to.

**Tuner section**

- SSIR (Sony Super Interference Rejection) PLL Synthesizer tuner
- The Automatic Memory function stores a total of 24 stations in memory quickly and easily.
- The Memory Scan function scans preset stations for five seconds each in order.
- The extended range in AM band (530 - 1,710 kHz)

**CD section (when a Sony CD changer is connected)**

- The Intro Play function plays the first ten seconds of each selection on every disc.
- The Repeat Play function enables a repeat play of the selection you are now listening to.
- The Disc Scan function plays the first ten seconds of the first selection on each disc.
- The Shuffle Play function plays selections in random order.
- Manual Search allows you to find a desired point in a selection.

**General**

- You can choose the illumination color on the front panel indicators as green or amber.
- The digital clock shows the current time using 12-hour indication.

## Precautions

**Caution**

- Before operating the unit for the first time or after replacing the battery, press the reset button (page 6) with a pencil, etc., then start operating the unit.
- If your car was parked in direct sunlight and there was a considerable rise in temperature inside the car, allow the unit to cool off before operating.
- If the unit will not go on, check the connections first. If everything is in order, check the fuse.
- If no sound comes from the speakers of a 2-speaker system, set the fader control to the center position.

### A Precaution for Volume Adjustment

Digital audio tapes have a very low noise level compared to analog cassette tapes. If you adjust the volume while listening to the noise of the portions without sound, unexpectedly loud sound may come out and may damage the speakers or disturb your driving the car. When you start DAT tape playback, always keep the volume low.

### Precautions for Circuit Protection

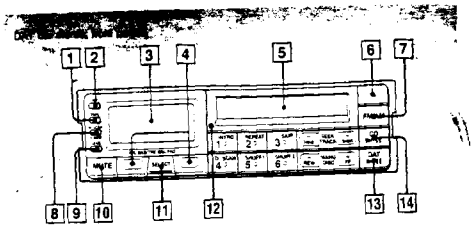
If the amplifier remote control lead or the antenna remote control lead of this unit should short-circuit, or if excessive current should flow into the unit, the protection circuit provided with this unit activates to prevent the unit from damage. When the circuit activates, illuminations on buttons (except for four buttons on the right side of the front panel) will go off and no sound will be heard from speakers. If this happens, disconnect the amplifier remote control lead and antenna remote control lead from the external equipment connected to this unit, then turn off the power of the unit. For details about a remedy when the protection circuit activates, see "Troubleshooting Guide" (Page 27).

### Protecting your DAT Cassettes

- Remove the DAT cassette from the player when you are not using the car stereo.
- Do not expose the DAT cassettes to direct sunlight, extremely hot or cold temperatures or moisture. (The temperature rises extremely high inside the car especially during summer.)
- Keep the DAT cassettes away from equipment with magnets such as speakers and amplifiers to prevent erasure or distortion of the recorded tape.
- DAT cassettes are designed to prevent dust from entering inside during ordinary use. Do not force open the cassette.
- Do not touch the tape surface of the DAT cassette.
- Do not compress the cover of the DAT cassette as it may cause malfunction.

If you have any questions or problems concerning your unit that are not covered in this manual, please consult your nearest Sony dealer.

# Location and Function of Controls




Refer to the pages in ● for details.

1 **DSPL (display) button** ● ● ● ●

2 **OFF (power off) button**

3 **Display window**

4 **(volume, bass/treble/balance/fader control) buttons** ●
Normally function as volume controls.

5 **Cassette insertion door**

6 **⏏ (eject) button**

7 **FM/AM (radio on/band select) button**

8 **M.SCAN (memory scan)/A.MEM (automatic memory) button** ● ●

9 **SENS (sensitivity) button** ●

10 **MUTE button**
Press to mute the sound for a moment. Press it again or press + to restore the same level as before.

11 **SELECT (control mode select) button** ●

12 **Reset button** ● ●
Press this button when you use this unit for the first time and when you have changed the car battery, or when other buttons do not function.

13 **DAT ▶II (DAT tape play/pause) button** ●

14 **CD ▶II (disc play/pause) button** ●

## Controlling the Bass/Treble/Balance/Fader/Volume

Press the SELECT button to select the desired control mode. The mode you selected appears in the display window. Within 3 seconds after selecting the desired control mode, adjust the level using the + or − button. Otherwise, the mode goes back to the volume control mode.

The table below shows how to adjust the level of each control mode.

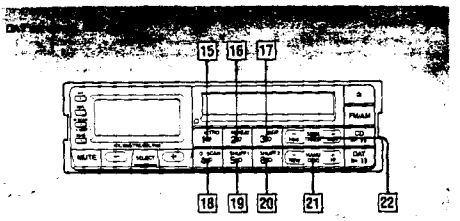
| Display window | Control mode | Press − | Press + |
|---|---|---|---|
| BAS | Bass control | For less bass | For more bass |
| TRE | Treble control | For less treble | For more treble |
| BAL *1 | Balance control | To decrease the right-speaker volume | To decrease the left-speaker volume |
| FAD *2 | Fader control | To decrease the rear-speaker volume | To decrease the front-speaker volume |
| VOL | Volume control | For less volume | For more volume |

*1 When you use the surround function of a graphic equalizer (not supplied), keep the balance control of this unit in the center and adjust the balance of the graphic equalizer.
*2 When you use a graphic equalizer with this unit, the fader control of this unit does not function. Adjust the fader of the graphic equalizer.










The function of the following buttons change depending on what you are listening to. The table below shows each function.

| When you are listening to | a DAT tape | a disc | the radio |
|---|---|---|---|
| 15 | INTRO button ● ● | | |
| 16 | REPEAT button ● ● | | |
| 17 | SKIP button ● | — | |
| 18 | — | D.SCAN (disc scan) button ● | Preset number buttons ● ● |
| 19 | — | SHUFF.1 (shuffle 1) button ● | |
| 20 | — | SHUFF.2 (shuffle 2) button ● | |
| 21 | FF REW (fast forward/rewind) button ● | DISC (disc change/manual search) button ● ● | MANU (manual tuning) button ● |
| 22 | SEEK/TRACK (AMS) button ● ● | | SEEK (automatic tuning) button ● |

**Note**
When you press the OFF button or when you keep the ignition key set to the OFF position for more than eight seconds, the following functions lose their program settings:
- Mute function
- Intro Play
- Repeat Play
- Disc Scan

The skip function is retained until you press the button again.

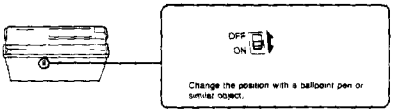
**To mute the beep sound**
Press [ ] while pressing SELECT. To obtain the beep sound again, press these buttons again.

## Changing the Illumination Color

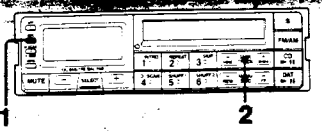
**Press [ ] while pressing the SELECT button.** You can choose from amber and green. To change the color back, press these buttons again.

### If your car ignition key does not have the accessory position

The illumination on the front panel is factory-set to stay on even when you are not playing the unit. However, this setting may cause the car battery to run down when the unit is used in a car which has no accessory position on the ignition key. To avoid this when using the unit in such a car, **set the selector located on the bottom to OFF, then press the reset button.** You can make the illumination go off when not playing the unit.



# Setting the Clock




**Example: Setting the time to 3:50**

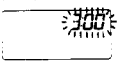
**1** **Press and hold** DISPL ○ **until you finish** setting the hour and the minute.

(Display)

The time indicator flashes.

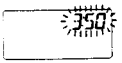
**2** **Press** SLEEP TRACK TIME **to set the hour.**

(Display)



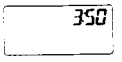
**Press** REW/CUE FF **to set the minute.**

(Display)



**3** **Release** DISPL ○ . The clock starts operating immediately.

(Display)

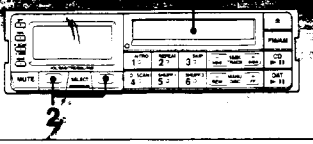


The indicator stops flashing.

**Note**
If you are using this player with the power select switch off, you can set the clock only when the power is on. Turn the player on before you follow the steps above.



# DAT Tape Playback




**1** **Insert a DAT cassette.**

Playback starts automatically. When a cassette is already in the DAT player, press DAT ▶ II.

**2** **Press** ▽ SELECT △ .

Adjust the volume by pressing ▽ or △.

## Other Operations

| | |
|---|---|
| **To rewind or fast forward the tape** | Press REW/CUE FF (rewind) (fast forward) |
| **To pause during play** | Press DAT ▶ II. Press again to release the pause mode. |
| **To take out the cassette** | Press ≙ |

Note: When you press the FF/REW button for more than 0.5 seconds, it functions as manual search, but the sound is not heard.

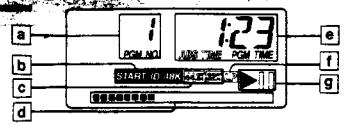
| | |
|---|---|
| **To stop the DAT tape and listen to the radio** | Press FM/AM |
| **To stop the DAT tape and listen to a disc** | Press CD ▶ II |
| **To play back the DAT tape again** | Press DAT ▶ II |
| **To turn off the unit** | Press OFF ○ |

**Notes**
- When playback ends, the tape automatically rewinds to the beginning.
  If an End ID* is recorded on the tape, the tape automatically rewinds from that point during playback.
- End ID indicates the end of the recorded portion on the DAT tape.
- About 8 minutes after stopping playback, the DAT cassette ejects automatically for the protection of the tape.





## Display window




| | |
|---|---|
| a | **PGM NO. (program number)** Indicates the order of the selections in the cassette. |
| b | **START ID** Indicates the beginning of a selection. Appears when Start ID is detected. |
| c | **Sampling frequency** Indicates the sampling frequency with which the material was recorded: 48 kHz, 44.1 kHz, or 32 kHz. |
| d | Indicates the volume level or the direction of the tape during AMS, rewind or fast forward. |
| e | **PGM TIME (program time)** Indicates the elapsed time from the beginning of the selection.<br>or<br>**ABS TIME (absolute time)** Indicates the elapsed time from the beginning of the cassette. |
| f | **LP (long play)** Lights when the tape has been recorded in the long play mode. |
| g | Indicates the status of tape operation.<br>▶ Lights during playback.<br>II Lights in the pause mode. |

## Changing the Display During DAT Playback

**Press** DISPL ○ . Each time you press it, the display changes as follows:

PGM (program) time
↓
ABS (absolute) time*
↓
Current time

* Absolute time does not appear in the display if absolute time has not been recorded on the DAT tape.

## Locating the Beginning of a Desired Selection During Playback (AMS function)

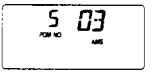
**Note**
**The AMS function works only with DAT tapes with Start ID.**

**You can skip up to 99 selections.**

Press ⏮ ⏭ repeatedly.

| | |
|---|---|
| **To locate a selection ahead** | Press ⏭ |
| **To locate a previous selection** | Press ⏮ |

The display window shows the number of selections to be skipped.

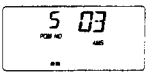



**Example 1: To listen to the third selection ahead**

Press ⏭ 3 times.

AMS activates — Playback starts

| Current selection | 1st. selection | 2nd. selection | 3rd. selection |
|---|---|---|---|

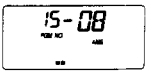



**Example 2: To listen to the eighth selection before**

Press ⏮ 9 times.

Playback starts — AMS activates

| 8 selections before | 1 selection before | Current selection |
|---|---|---|




**Note**
- Since the AMS function works by detecting the Start ID* recorded on the DAT tape, it does not work with DAT tapes without start ID*.

* **Start ID** is one of the sub codes written separately from audio signals on DAT tapes. Start ID is written at the beginning of a selection and is used to locate each selection. For more information see page 25.

## DAT Tape Playback

### Repeating a Selection (Repeat Play)

Press [REPEAT 2] during playback.

"REP 1" appears in the display window. At the end of the current selection, the tape rewinds to the beginning of that selection.
To exit the mode, press this button again.

### Listening to the First Portion of Each Selection (Intro Play)

Press [INTRO 1] during playback.

"INTRO" appears in the display window. The first ten seconds of each selection plays in order.
To exit the mode, press this button again or press [CD ▶ II].

### Skipping a Portion Marked with Skip ID (Skip Play)

Press [SKIP 3] during playback.

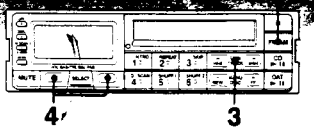
"SKIP" appears in the display window. At the point where Skip ID is recorded, the player skips to the next Start ID and starts playback.
To exit the mode, press this button again.

**Notes**

- Intro Play and Repeat Play do not function if Start ID has not been recorded on the DAT tape.
- Skip play does not function if Skip ID has not been recorded on the DAT tape.
- For more information about sub codes, see page 25.



## Automatic Tuning




**1** Press [FM/AM]. — The power goes on.

**2** Press [FM/AM]. — Select the desired band, FM1, FM2, FM3, or AM. Each time you press it, the display changes as follows.
FM1→FM2→FM3→AM

**3** Press [TUNING/PRESET]. — Select the desired station.
Press [−] for lower frequencies
and [+] for higher frequencies.
The scanning automatically stops when a station is tuned in. Repeat this step until you tune in the desired station.

**4** Press [VOLUME]. — Adjust the volume by pressing [+] or [−].

### Other Operations

**To stop the radio and start DAT tape playback**

(When no DAT cassette is in the DAT player) — Insert a DAT cassette.



(When a DAT cassette is already in the DAT player). — Press [DAT ▶ II].

**To stop the radio and listen to a disc** — Press [CD ▶ II].

**To turn off the unit** — Press [OFF].

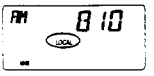


## Automatic Tuning

### When there is a station with strong signals and the scanning stops too frequently during automatic tuning

Press [SENS]

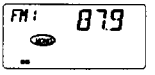
Only the stations with relatively strong signals can be tuned in.




### When the FM stereo program is weak and distorted

Press [SENS]

The sound goes to monaural and the distortion decreases.



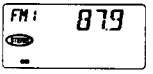

**Note on SENS display**
Each time you press SENS, the display changes as follows:

(In AM mode)
Normal
:
LOCAL

(In FM mode)
Normal (STEREO)
:
LOCAL
MONO

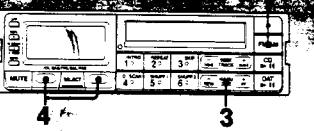
**To display the current time while listening to the radio**
Press DSPL.
Press DSPL again to display the frequency indication.

**When you tune in an FM stereo program of sufficient signal strength**
The program is automatically received in stereo.






## Manual Tuning




**1** Press [FM/AM]. — The power goes on.

**2** Press [FM/AM]. — Select the desired band, FM1, FM2, FM3, or AM. Each time you press it, the display changes as follows:
FM1→FM2→FM3→AM

**3** Press [TUNING/PRESET]. — Select the desired station.
Press [−] for lower frequencies
and [+] for higher frequencies.
To change the frequency rapidly, keep the button depressed.

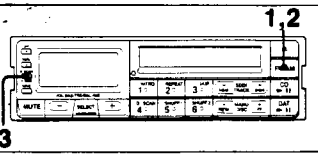
**4** Press [VOLUME]. — Adjust the volume by pressing [+] or [−].

**For your safety while driving**
Keep your eyes on the road and use the automatic tuning or the memory preset tuning.

# Memory Preset Tuning

You can memorize a total of 24 stations (6 stations for each band), one on each preset number.

## Automatically (Automatic Memory Function)




| | | |
|---|---|---|
| 1 | Press FM/AM | The power goes on. |
| 2 | Press FM/AM | Select the desired band, FM1, FM2, FM3, or AM. Each time you press it, the display changes as follows:<br>FM1→FM2→FM3→AM |
| 3 | Keep M.SCAN/A.MEM depressed for more than two seconds. | The unit starts scanning the selected band and memorizes the tuned stations on the preset number button 1 through 6 automatically. |

**In what way are stations scanned and memorized?**

The unit scans the selected band twice. The scanning starts from the displayed frequency. During first cycle, the unit scans stations with considerably strong signals. During the next cycle, the unit scans all stations that can be received, including weak ones. And for memorizing, if any preset number is indicated in the display window, memorizing starts from this preset number. When you choose FM2 and the preset number 3 is displayed in the window, for example, memorizing starts from the preset number 3 on FM2, and stops at the preset number 6 on FM3.

## Manually

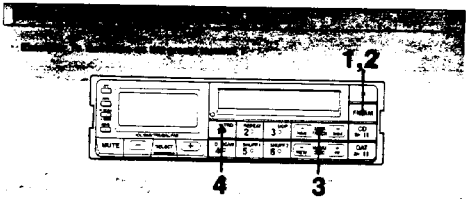
Press M.SCAN/A.MEM ○ lightly.

Each memorized station scans for five seconds in order. (When the signal of the memorized station is too weak, it cannot be received.)










| | | |
|---|---|---|
| 1 | Press FM/AM | The power goes on. |
| 2 | Press FM/AM | Select the desired band, FM1, FM2, FM3, or AM. Each time you press it, the display changes as follows:<br>FM1→FM2→FM3→AM |
| 3 | Press TUNING/TRACK or MANUAL/SEEK | Tune in a desired station. |
| 4 | Keep INTRO 1 depressed for more than two seconds. | FM: 1 80.0 STEREO<br>The number of the pressed preset number displays. |

## Receiving a Preset Station

Press FM/AM to select the desired band.

Press INTRO 1 ~ SHUFF 2 6 lightly to receive the desired station.

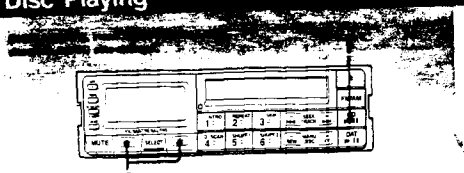
**Important**

Every preset number button can memorize only one station per band. The previously memorized station is erased when you enter a new station of the same band on the same preset number button.

**Note**

The frequency range of FM1, FM2, and FM3 is the same. You can set 6 stations on each band, a total of 18 FM stations and 6 AM stations.

# Disc Playing



2

**1** Press CD ▶ II — The disc starts playing.

**2** Press VOLUME + or − — Adjust the volume by pressing + or −.

## Other Operations

| | | |
|---|---|---|
| **To listen to another disc in the disc magazine** | Press REV / DISC / FF lightly. | **Note** If you press it for more than 0.5 seconds, it functions as the manual search. |
| **To pause during play** | Press CD ▶ II | Press again to release the pause mode. |

**To display the elapsed time or the current time while playing a disc**
Press DSPL.

Each time you press it, the display changes as follows:

Normal indication
Elapsed time of the selection
Current time

| | | |
|---|---|---|
| **To stop disc play and start DAT playback** | (When no DAT cassette is in the DAT player) | Insert a DAT cassette |
| | (When a DAT cassette is already in the DAT player) | Press DAT ▶ II |
| **To stop disc play and listen to the radio** | | Press FM/AM |
| **To turn off the unit** | | Press OFF |

## Locating the Beginning of a Desired Selection while Playing a Disc (AMS Function)

| | |
|---|---|
| **To locate the beginning of the selection being played** | Press SEEK TRACK ⏮ or ⏭ |
| **To locate a previous selection** | Keep SEEK TRACK ⏮ depressed. Release the button at the desired selection. |
| **To locate the next selection** | Press SEEK TRACK ⏭ |
| **To locate a selection ahead** | Keep SEEK TRACK ⏭ depressed. Release the button at the desired selection. |

When you locate the first selection or the last selection of the disc, play begins from that selection.







## Finding a Particular Point in a Selection (Manual Search)

| | |
|---|---|
| **To go ahead at high speed** | Keep REV / DISC / FF depressed. Release the button at the desired point. |
| **To go back at high speed** | Keep REV / DISC / FF depressed. Release the button at the desired point. |

The elapsed time of the selection is displayed during the manual search.

## Various Plays

**To listen to the beginning of the selections in order** (Intro play)*
Press INTRO 1 — The first ten seconds of each selection on every disc plays in sequence.

**To repeat the selection being played** (Repeat play)
Press REPEAT 2 — The unit goes back to the beginning of the selection when the selection ends.

**To find the desired disc** (Disc scan)
Press DISC SCAN 4 — The first ten seconds of the first selection on each disc plays in sequence.

**To play the selections on the disc in random order** (Shuffle play 1)*
Press SHUFFLE 1 5 — All selections on the disc being played plays in random order. After playing all selections on the disc, the unit goes to the next disc.

**To play the selections on all discs in random order** (Shuffle play 2)*
Press SHUFFLE 2 6 — All selections on all discs in the disc magazine plays in random order.

**To resume normal playback**
Press each of the above buttons again.

* When you press the INTRO button during Shuffle Play (1 or 2), the first ten seconds of all selections play in random order.



# Maintenance

## Replacing the Fuse

If the fuse blows, check the power connection and replace the fuse. If the fuse blows again after replacement, there may be an internal malfunction. In this case, consult your nearest Sony dealer.

**Warning**
Use the specified ampere fuse.
Use of a higher amperage fuse may cause serious damage.

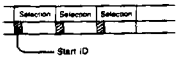
## Cleaning the Tape Head

Prolonged use of the player may contaminate the tape head. Contamination causes sound drop-outs during playback. To maintain the best playback sound, clean the tape head once a month using a Sony cleaning cassette (DT-10CL, not supplied.)

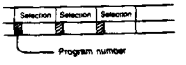
# About the Sub Codes

In addition to the ordinary audio signals, various control codes called sub codes can be recorded on the DAT cassette tapes to ease recording and reproducing operation. A desired selection can be called up or time information can be displayed using the sub codes, for example.
The sub codes are: start ID, program number, skip ID, end ID, program time and absolute time.

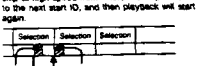
**Start ID**
This signal indicates the start of a music selection. You can locate the position of the start ID precisely.



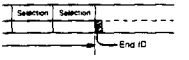

**Program number**
This signal gives a number to a selection. You can record it where the start ID is written.




**Skip ID**
This signal can be marked on the selection wherever you wish. During Skip Play, the deck will skip at high speed from where the skip ID is marked to the next start ID, and then playback will start again.




**End ID**
This signal indicates the end position of a recording. Record end ID at the beginning of the portion you don't want to be played. When the end ID is detected during playback, the tape stops automatically.




**Absolute time**
The absolute time indicates the position of the tape, giving the time elapsed from the beginning. The absolute time is recorded automatically at the same time the audio signal is recorded. It cannot be re-recorded. The absolute time allows you to confirm the elapsed time from the beginning of the tape.

**Program time**
This is the time elapsed for a selection.

**When using the sub codes**

| Things that can be done | Required sub code |
|---|---|
| Locating a selection (AMS function) | Start ID |
| Listening to the first portion of selections sequentially (Intro Scan) | Start ID |
| Skipping the portion not desired (Skip Play) | Skip ID/Start ID |

# Troubleshooting Guide

The following check will help you correct most problems that you may encounter with your unit. Before going through the check list below, first refer back to the connection and operating procedures.

**General**

| Trouble | Cause/Remedy |
|---|---|
| No sound. | • Control the volume with the + button.<br>• Set the fader control to the center position on the 2-speaker system. |

**DAT operation**

| | |
|---|---|
| The DAT cassette cannot be inserted. | • The cassette has been inserted incorrectly.<br>• A DAT cassette is already inserted. |
| AMS, intro play, or repeat play does not function. | • Start ID has not been recorded on the DAT tape. |
| Skip play does not function. | • Skip ID or Start ID has not been recorded on the tape. |
| The sound skips. | • The tape head is dirty. → Clean the head using Sony cleaning cassette (DT-10CL, not supplied.) |

**Radio reception**

| | |
|---|---|
| Preset tuning does not function. | • Memorize the correct frequency.<br>• The broadcast is weak. → Use manual tuning. |
| Automatic tuning does not function. | • The broadcast is weak. → Use manual tuning. |
| The STEREO indicator flashes off and on. | • Tune in precisely.<br>• The broadcast is weak. → Press the SENS button. |

**Disc Play**

| | |
|---|---|
| No sound. | • The unit is in the pause mode. |
| The sound skips. | • The disc is dusty or defective. |

The following indicators flash off and on for about five seconds and an alarm sounds.

**During DAT playback**

| Display | Cause | Remedy |
|---|---|---|
| E-77 | The temperature of the DAT player is too low and the protection circuit has been activated. | Wait until the unit warm up. |
| E-78 | Morsture has condensed and dew has collected on the rotary head. | Wait until the unit dries. |
| E-88 | The DAT tape does not operate for some reason. | Remove the DAT cassette and insert another one. |
| E-99 | The DAT cassette cannot be taken out of the compartment. | Press the reset button of the DTX-10. |

**When a Sony CD changer (not supplied) is connected**

| Display | Cause | Remedy |
|---|---|---|
| E-01 | The disc magazine has not been inserted in the CD changer. | Insert the disc magazine with discs into the CD changer. |
| E-02 | No discs are in the disc magazine. | Take out the magazine and insert the discs. |
| E-04 | The disc is dirty. | Clean the disc. |
| | The disc has been inserted upside down. | Insert the disc correctly. |
| E-77 | The temperature of the CD changer is too high and the protection circuit has been activated. | Wait until the unit cools off. |
| E-99 | The CD changer cannot be operated because of some trouble. | Press the reset button of the DTX-10. |





# Specifications

**Digital audio tape section**

| | |
|---|---|
| Head | Rotary head |
| Playback | 120 minutes (Standard Play)<br>240 minutes (Long Play) with DT-120 |
| Tape speed | 8.15 mm/s (Standard Play)<br>4.075 mm/s (Long Play) |
| Error correction | Double Reed Solomon code |
| Sampling frequency | 48 kHz, 44.1 kHz, 32 kHz |
| D/A conversion | Standard:<br>16-bit linear<br>Long play mode:<br>12-bit non-linear |
| Wow and flutter | Below measurable limit |
| Frequency response | 5 - 22,000 Hz |
| Signal-to-noise ratio | More than 90 dB |
| Total harmonic distortion | 0.01% |
| Operating temperature | 0 - 50°C (32 - 122°F) |

**Tuning section**

| | |
|---|---|
| FM | |
| Tuning range | 87.9 - 107.9 kz |
| Intermediate frequency | 10.7 kHz |
| Antenna terminal | External antenna connector |
| Usable sensitivity | 12 dBf (75 ohms) |
| Selectivity | 75 dB at 400 kHz |
| Signal-to-noise ratio | 85 dB (stereo), 70 dB (mono) |
| Harmonic distortion at 1 kHz | 0.5% (stereo), 0.3% (mono) |
| Separation | 35 dB at 1 kHz |
| Frequency response | 30 - 15,000 Hz |
| Capture ratio | 2 dB |
| AM | |
| Tuning range | 530 - 1,710 kHz |
| Intermediate frequency | 450 kHz |
| Antenna terminal | External antenna connector |
| Sensitivity | 35 µV |

**General**

| | |
|---|---|
| Power requirements | 12 V DC car battery (negative ground) |
| Output lead | Power antenna relay control lead |
| Tone controls | Bass ± 10 dB at 100 Hz<br>Treble ± 10 dB at 10 kHz |
| Dimensions | Approx. 178 × 50 × 153 mm (7 1/8 × 2 × 6 1/8 inches) (w/h/d) not incl. projecting parts and controls |
| Weight | Approx. 1.3 kg (2 lb 14 oz) |
| Supplied accessories | Mounting hardware (1 set)<br>Installation/connections manual<br>Connecting cord RK-C77 (1 m, phono plugs to phono plugs)<br>Cleaning cassette DT-10CL |
| Optional accessories | |

Design and specifications subject to change without notice.